

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO.  
1249-0077

SERIAL NO.

Robert K. Howle, Jr.

FILING

GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(G2)	5,811,175	9/98	Howle, Jr.	—	—	
	5,702,078	12/97	Shaw	—	—	
	5,688,461	11/97	Howle, Jr.	—	—	
	5,669,104	9/97	Howle, Jr.	—	—	
	5,636,589	6/97	Kato et al.	—	—	
	5,536,543	7/96	Papandreou	—	—	
	5,514,319	5/96	Young	—	—	
	5,512,718	4/96	Larose	—	—	
	5,477,430	12/95	LaRose	—	—	
	5,477,024	12/95	Share et al.	—	—	
✓	5,469,758	11/95	Howle, Jr.	—	—	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
(G2)	EP 0 498960: A1	12/91	EPO	—	—	✓	
	DE 26 36 920 A	2/78	Germany	—	—	✓	
	1,561,972	3/80	United Kingdom	—	—	✓	
	2,253,898A	9/92	United Kingdom	—	—	✓	
✓	2,253,996A	9/92	United Kingdom	—	—	✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(C.Y.)	5,464,578	11/95	Salter et al.			
	5,450,653	9/95	Howie, Jr.			
	5,407,721	4/95	Fujigaki et al.			
	5,376,314	12/94	Share et al.			
	5,303,612	4/94	Odom et al.			
	5,252,798	10/93	Kamada			
	5,197,161	3/93	Howie, Jr.			
	5,159,892	11/92	Hara et al.			
	5,098,633	3/92	Hausler			
	5,095,409	3/92	Dematteo et al.			
✓	5,093,764	3/92	Hasegawa et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

(C.Y.) Jackson

DATE CONSIDERED

3/3/05

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(2)	4,923,325	5/90	Howie, Jr.	—	—	
	4,760,752	8/88	Wield et al.	—	—	
	4,751,038	6/88	Schluter et al.	—	—	
	4,603,065	7/86	Mori et al.	—	—	
	4,441,230	4/84	Howie, Jr.	—	—	
	4,395,817	8/83	Asada et al.	—	—	
	4,179,771	12/79	Rankins et al.	—	—	
	4,165,659	8/79	Fawley	—	—	
	4,155,972	5/79	Hauser et al.	—	—	
	4,094,210	6/78	Wirtz et al.	—	—	
↓	3,880,536	4/75	Petrus	—	—	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

A. J. Jones

DATE CONSIDERED

3/3/05

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(2)	3,679,252	7/72	Howie, Jr.	—	—	
	3,619,594	11/71	Morez	—	—	
	3,549,733	12/70	Caddell	—	—	
	3,514,366	5/70	Allport	—	—	
	3,468,020	9/69	Carlson et al.	—	—	
	3,163,739	12/64	Hutt	—	—	
	2,565,803	8/51	Danielson et al.	—	—	
	2,425,611	8/47	Frost et al.	—	—	
	2,193,586	3/40	Fischett	—	—	
	2,185,492	1/40	Barrett	—	—	
✓	2,071,147	2/37	Watson	—	—	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

*Anthony Jackson*

*3/3/05*

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**INFORMATION DISCLOSURE CITATION**  
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Docket Number (Optional)  
**1249-0077**

Application Number

Applicant(s)  
**Robert K. Howie, Jr.**

Filing Date

Group Art Unit

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AS</i>		6,499,191	12/02	Howie, Jr.	—	—	
		6,391,243	5/02	Howie, Jr.	—	—	
		6,136,248	10/00	Howie, Jr.	—	—	
		6,003,206	12/99	Hall et al.	—	—	
		5,845,365	12/98	Howie, Jr.	—	—	
		5,752,759	5/98	Pizzo	—	—	
		5,641,556	6/97	Howie, Jr.	—	—	
		5,359,165	10/94	Leveque et al.	—	—	
		5,040,479	8/91	Thrash	—	—	
		4,536,116	8/85	Murray	—	—	
<i>Y</i>		3,543,329	1/69	Gulette et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*C. Z. Jackson*

DATE CONSIDERED

*3/3/05*

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